

Attorney

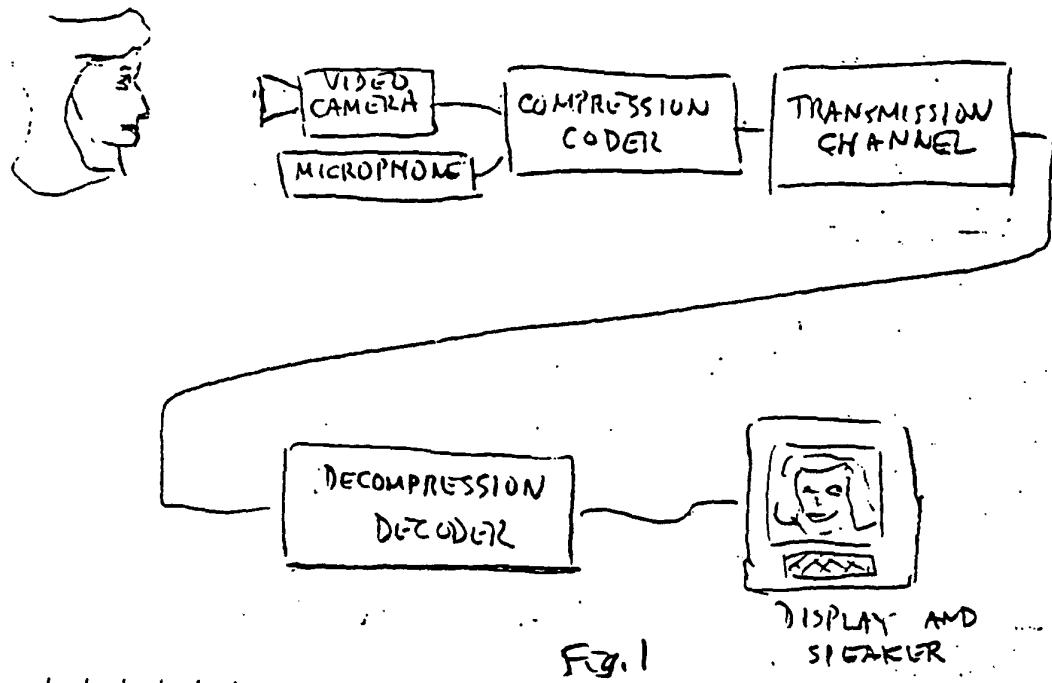
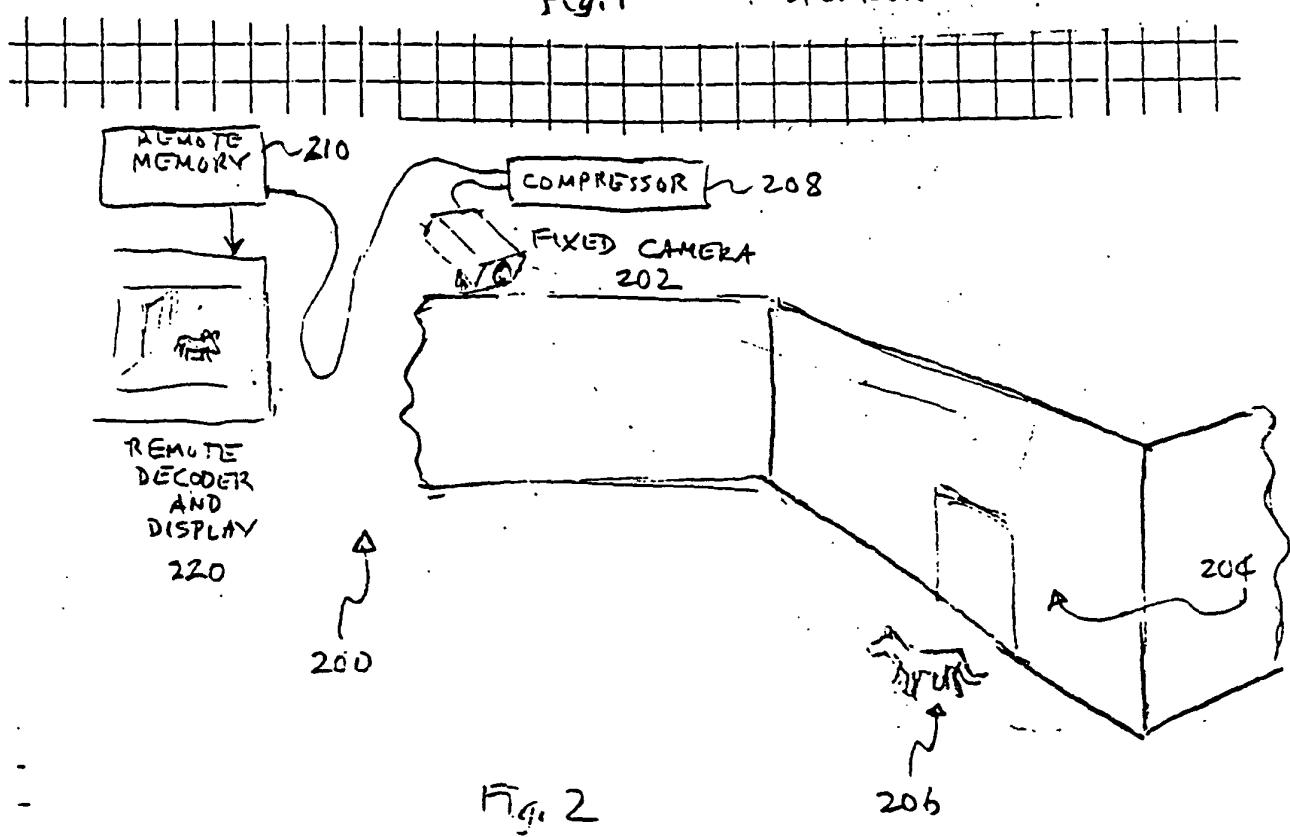


Fig. 1



OBJECT-BASED VIDEO COMPRESSION (OBVC)

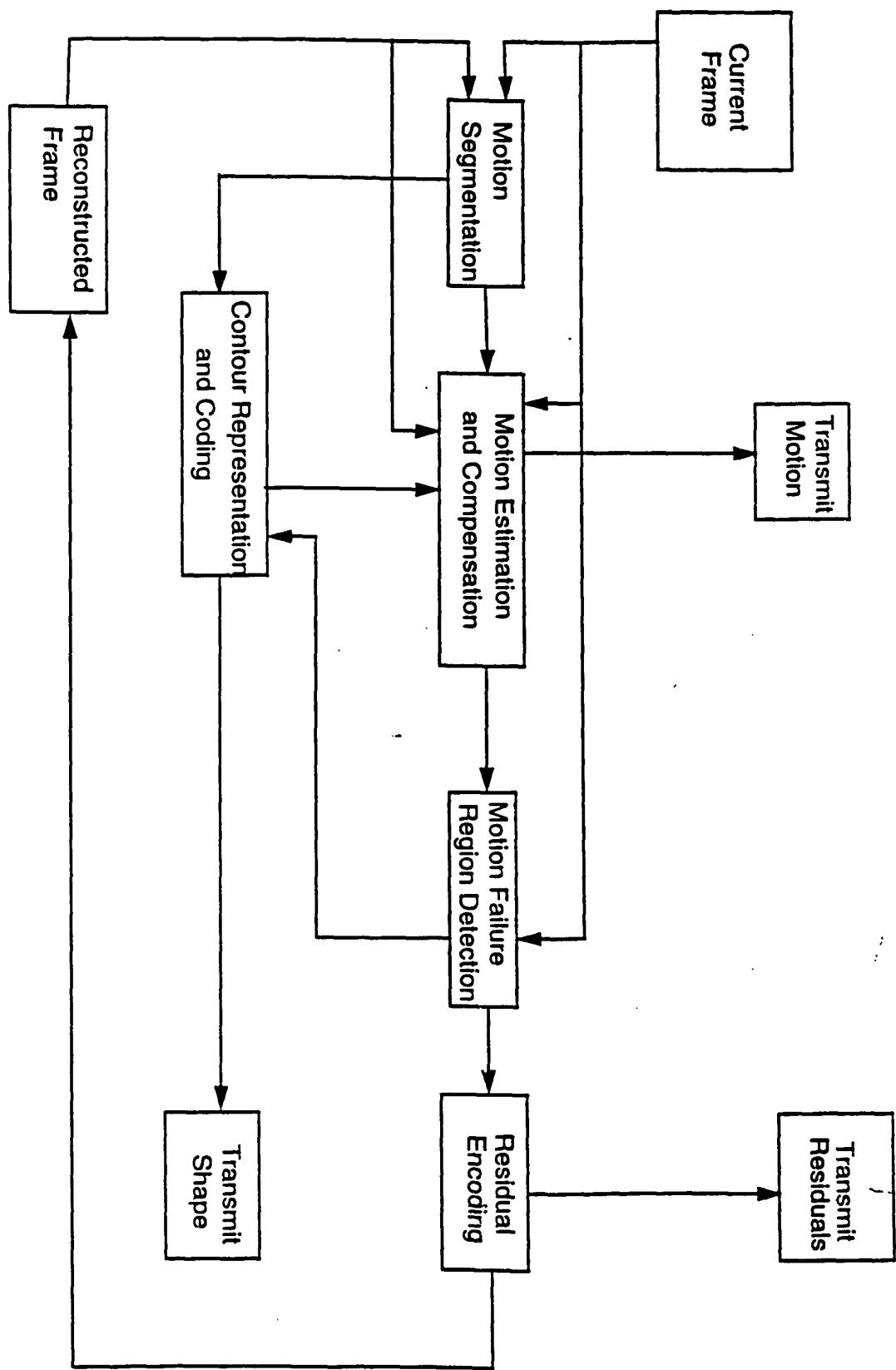


Figure 3

Frame 1

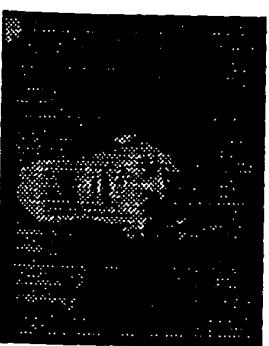


Fig. 4a

Frame 4



Segmentation
Mask

Fig. 4d



Differences

(Complexity? Noise? Dark?)

Fig. 4e

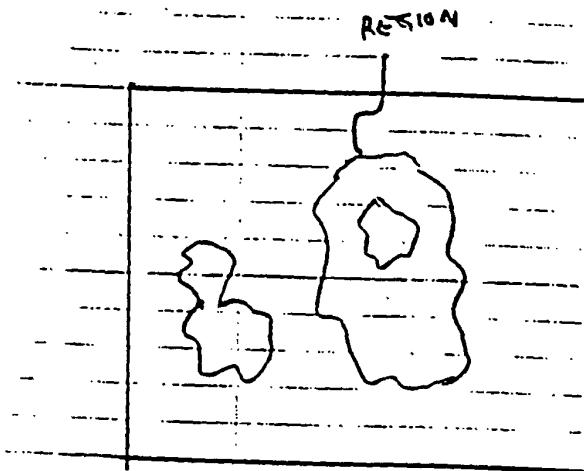
PATENT SKETCH FORMAttorney _____

Fig. 5a

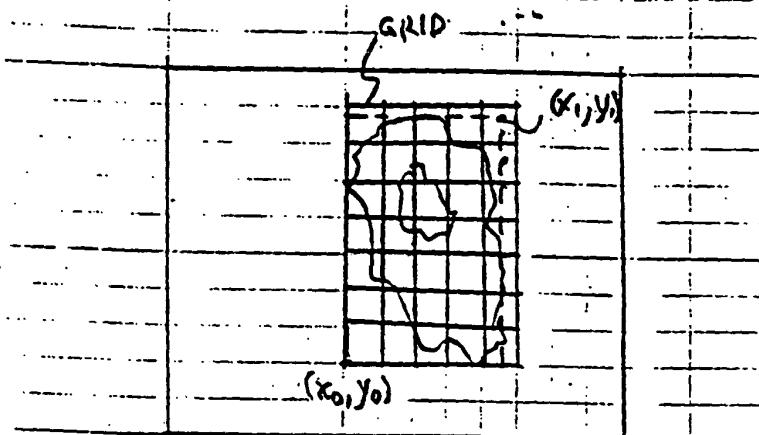


Fig. 5c

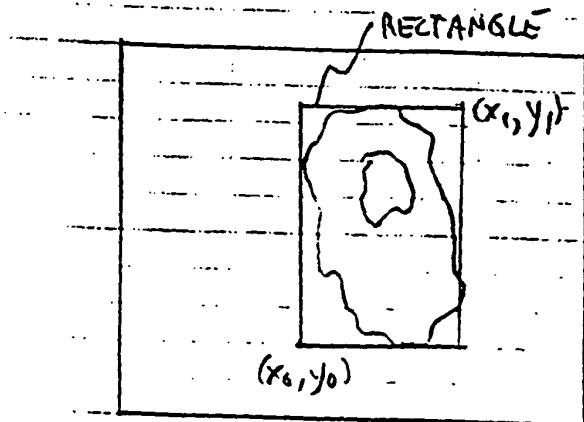


Fig. 5b

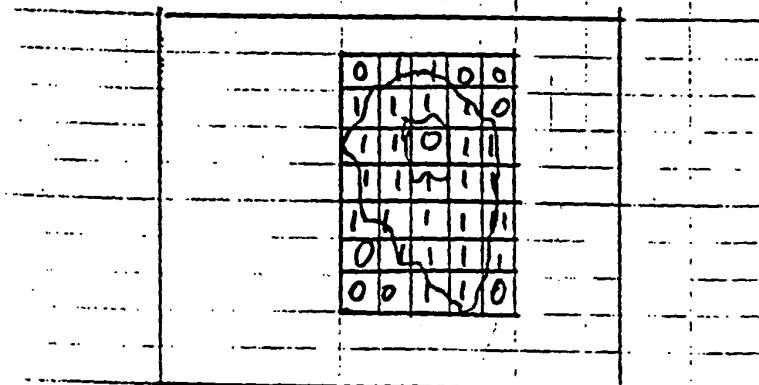
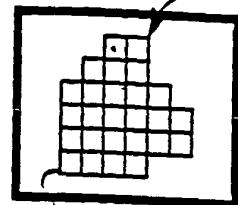
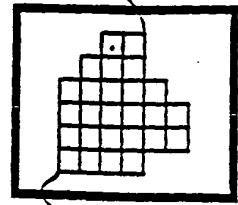


Fig. 5d

Attorney _____

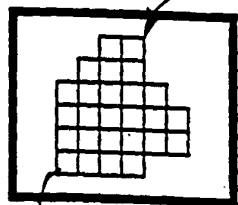


$(x_0, y_0)^{n-1}$

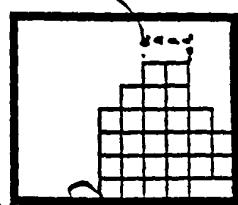


$(x_0, y_0)^n$

Fig. 5d

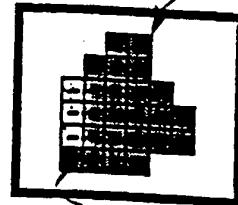


$(x_0, y_0)^{n-1}$

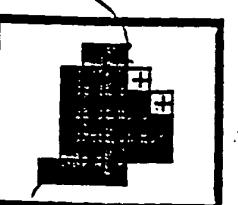


$(x_0, y_0)^n$

Fig. 5e

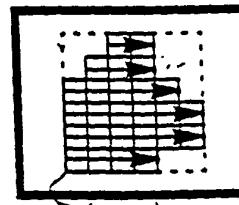


$(x_0, y_0)^{n-1}$



$(x_0, y_0)^n$

Fig. 5f



(x_0, y_0)

5h
Fig. 5g

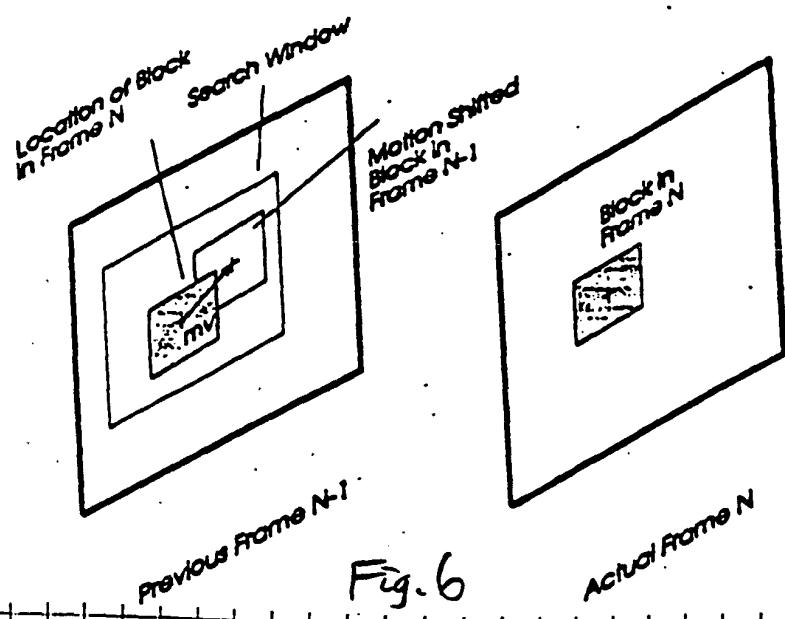
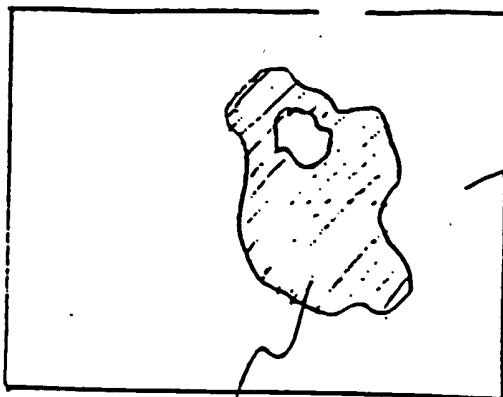
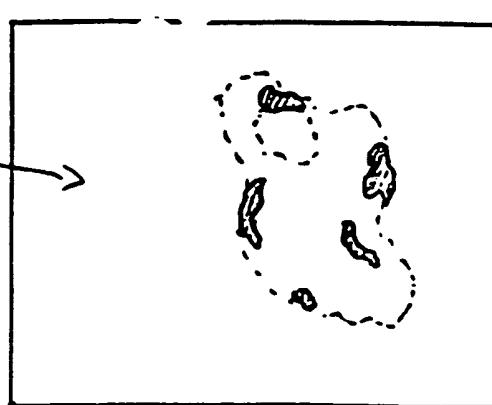


Fig. 6

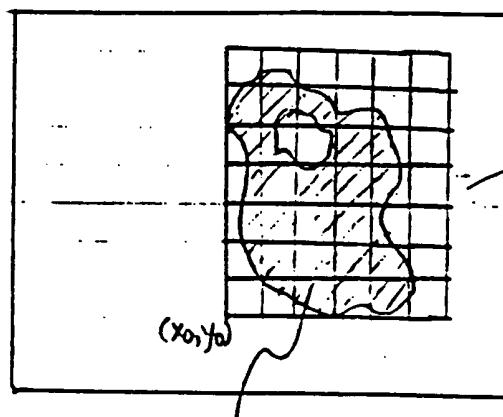
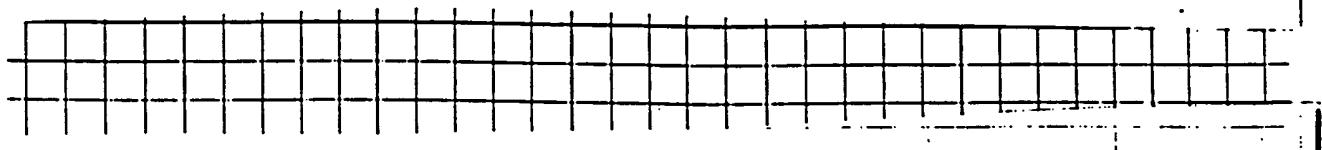


DIFFERENCE
REGION

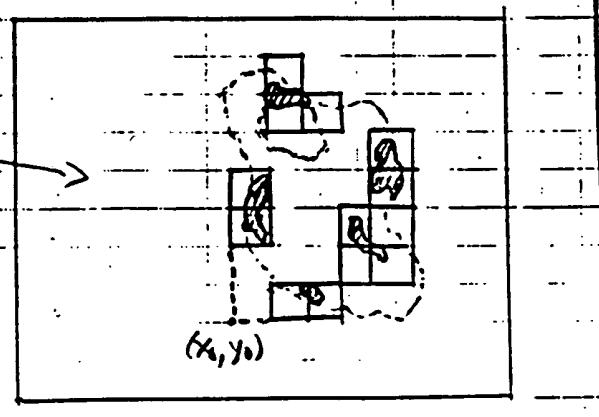


MOTION FAILURE
REGIONS

Fig.7



DIFFERENCE
REGION



MOTION FAILURE
REGIONS

Fig.8

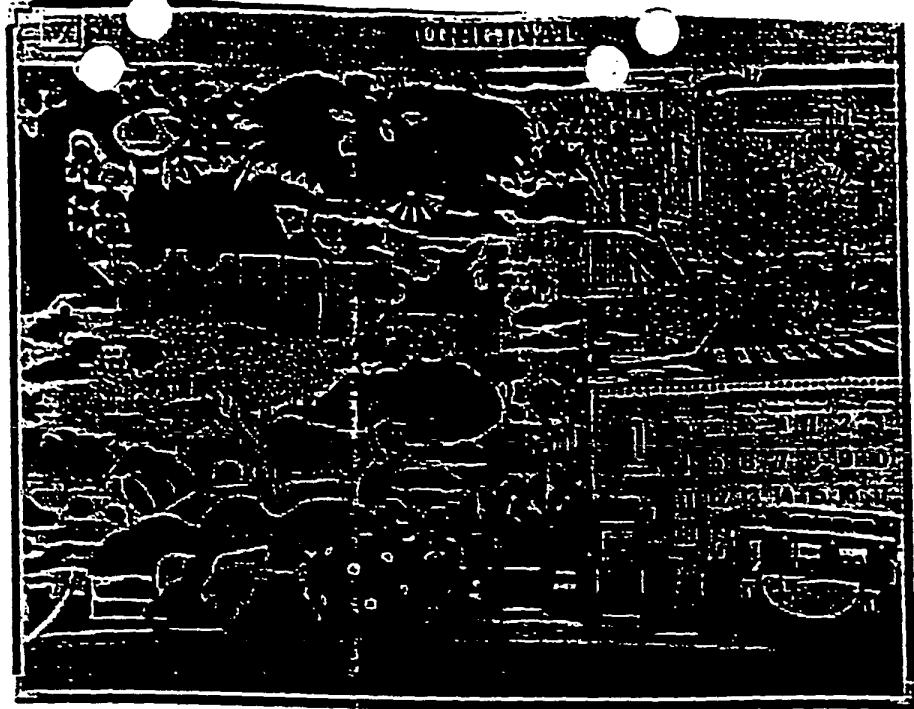


Fig. 9a

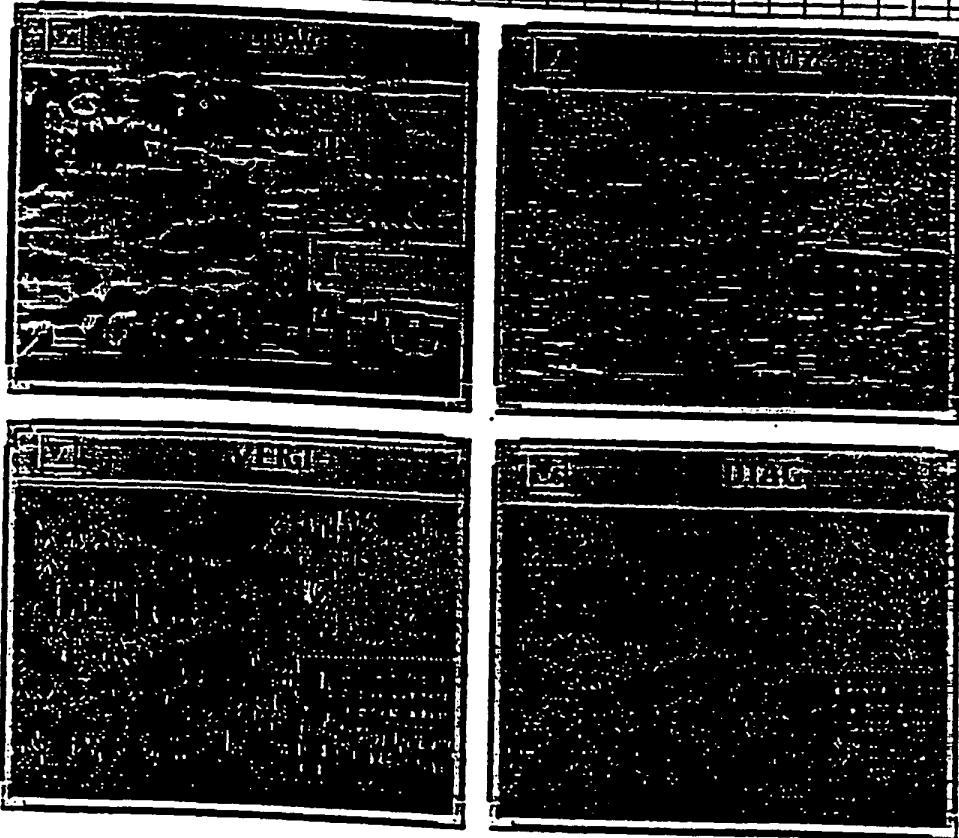


Fig. 9b

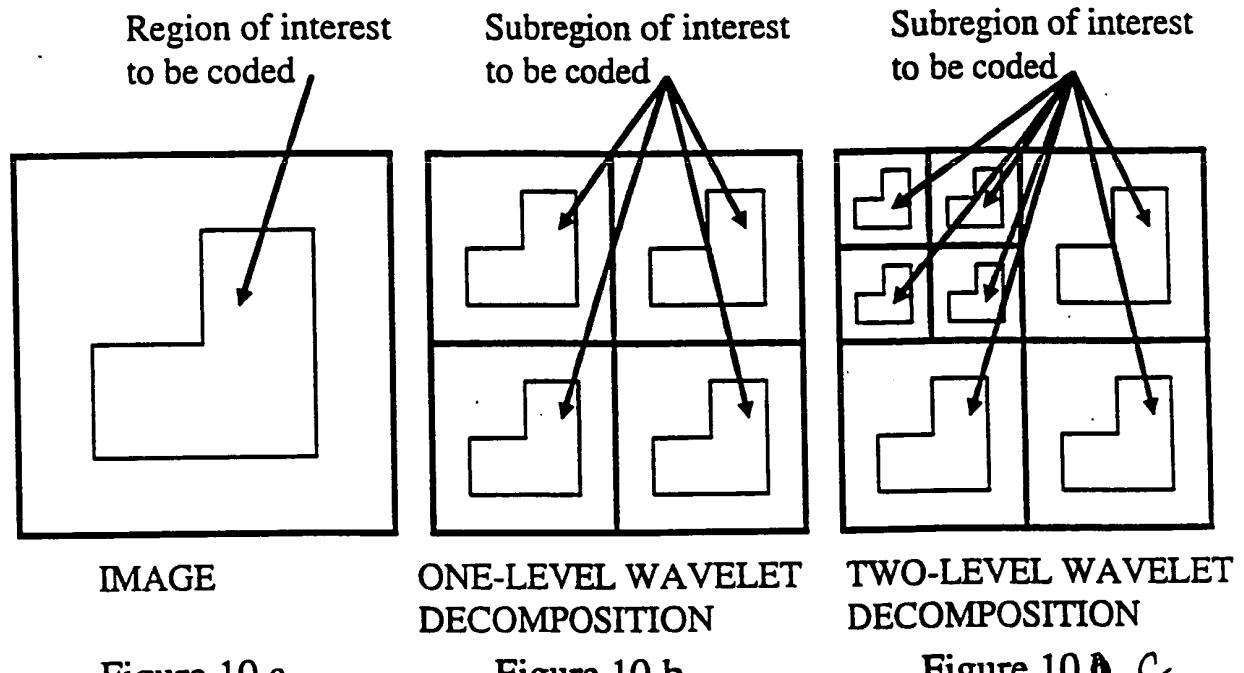
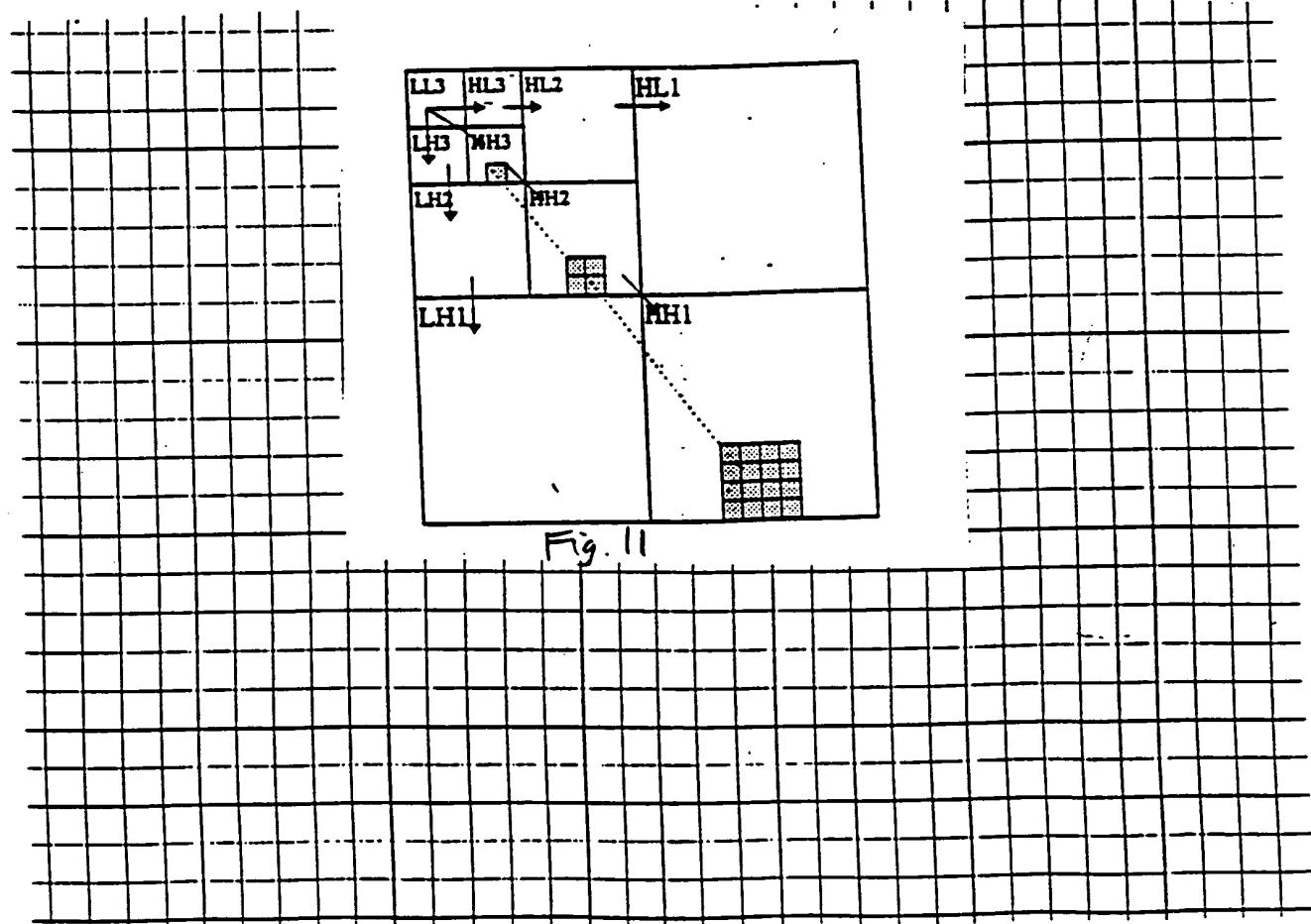


Figure 10 a

Figure 10 b

Figure 10 c



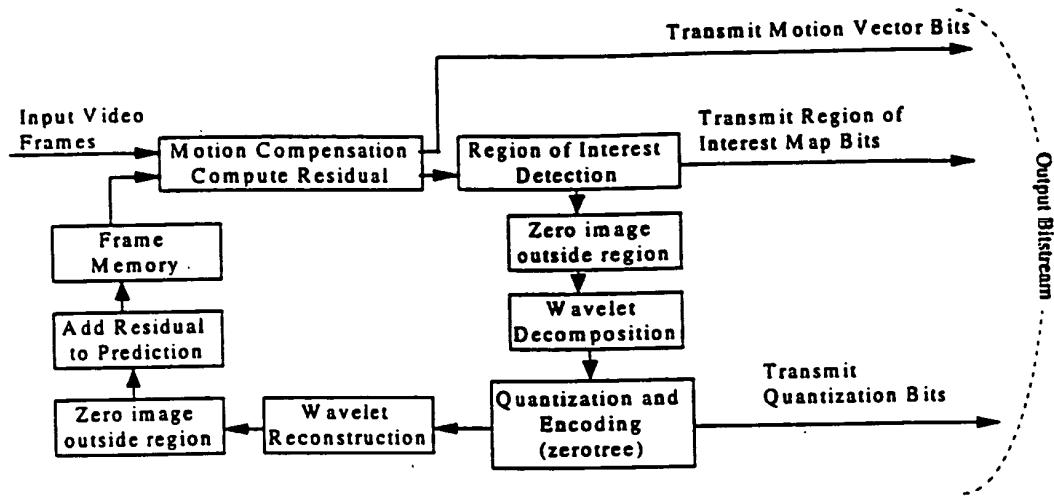


Figure 12



Fig. 13a First frame of video



Fig. 13b Segmentation mask

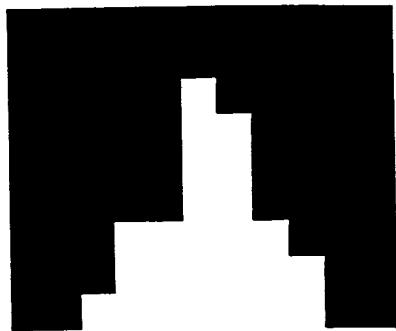


Fig. 13c Blocked mask

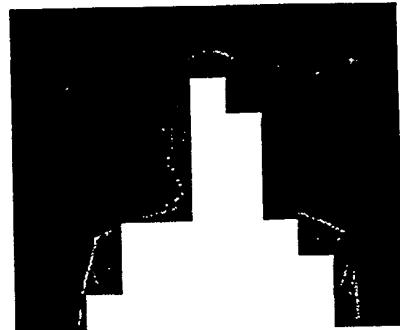


Fig. 13d Extracted background



Fig. 13e Blocked object mask

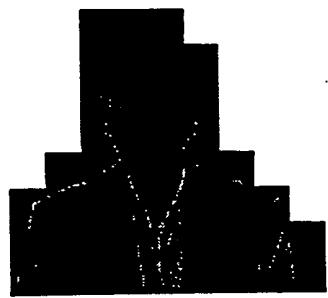


Fig. 13f Extracted object

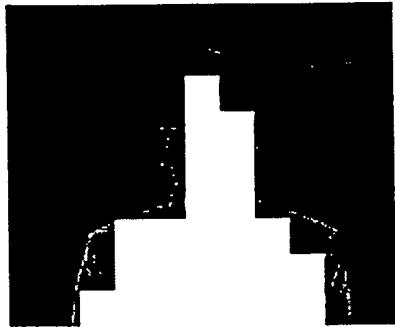


Fig. 13g Recon background object

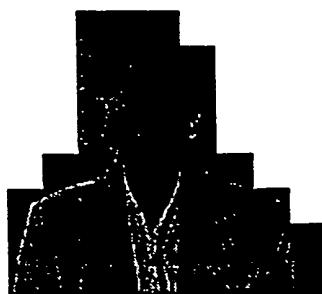


Fig. 13h Recon object



Fig. 13i Recon frame



Fig. 13j Next frame



Fig. 13k Segmentation mask

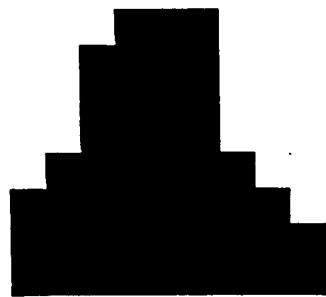


Fig. 13l Blocked object mask

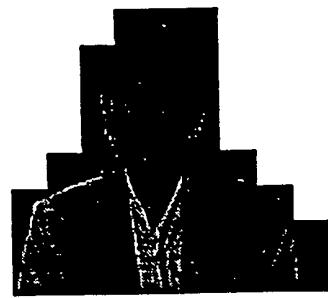


Fig. 13m Extracted object

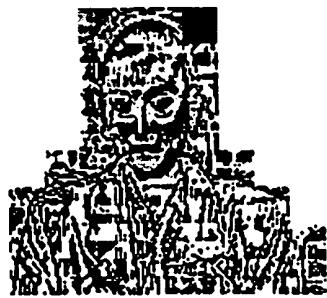


Fig. 13n Object difference

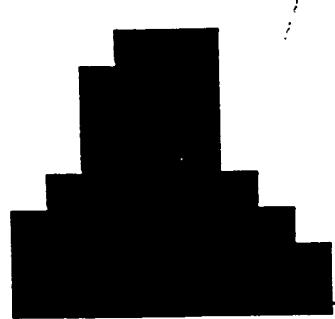


Fig. 13o Adjusted block mask



Fig. 13p Reconstructed object with average background

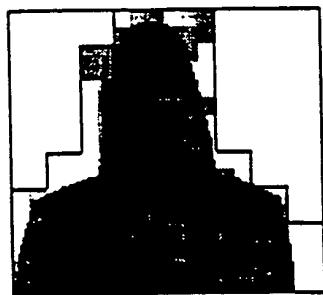


Fig. 13q

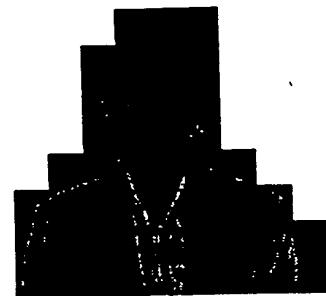


Fig. 13r

DCT coding results; light grey blocks indicate which
blocks were DCT coded.



Fig. 13s Uncovered background pixels



Fig. 13t Mask



Fig. 13u Image



Fig. 13v Recon frame



Fig. 14a Original content



Fig. 14b Object dropped

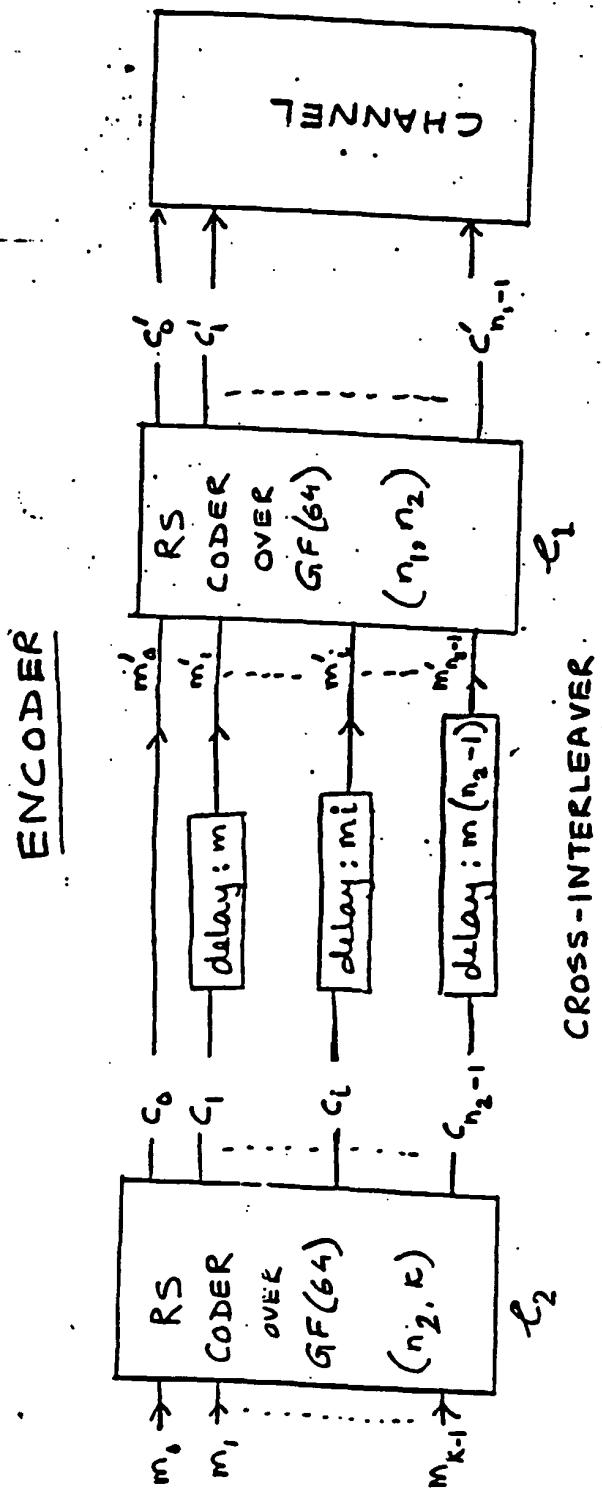


Fig. 15a

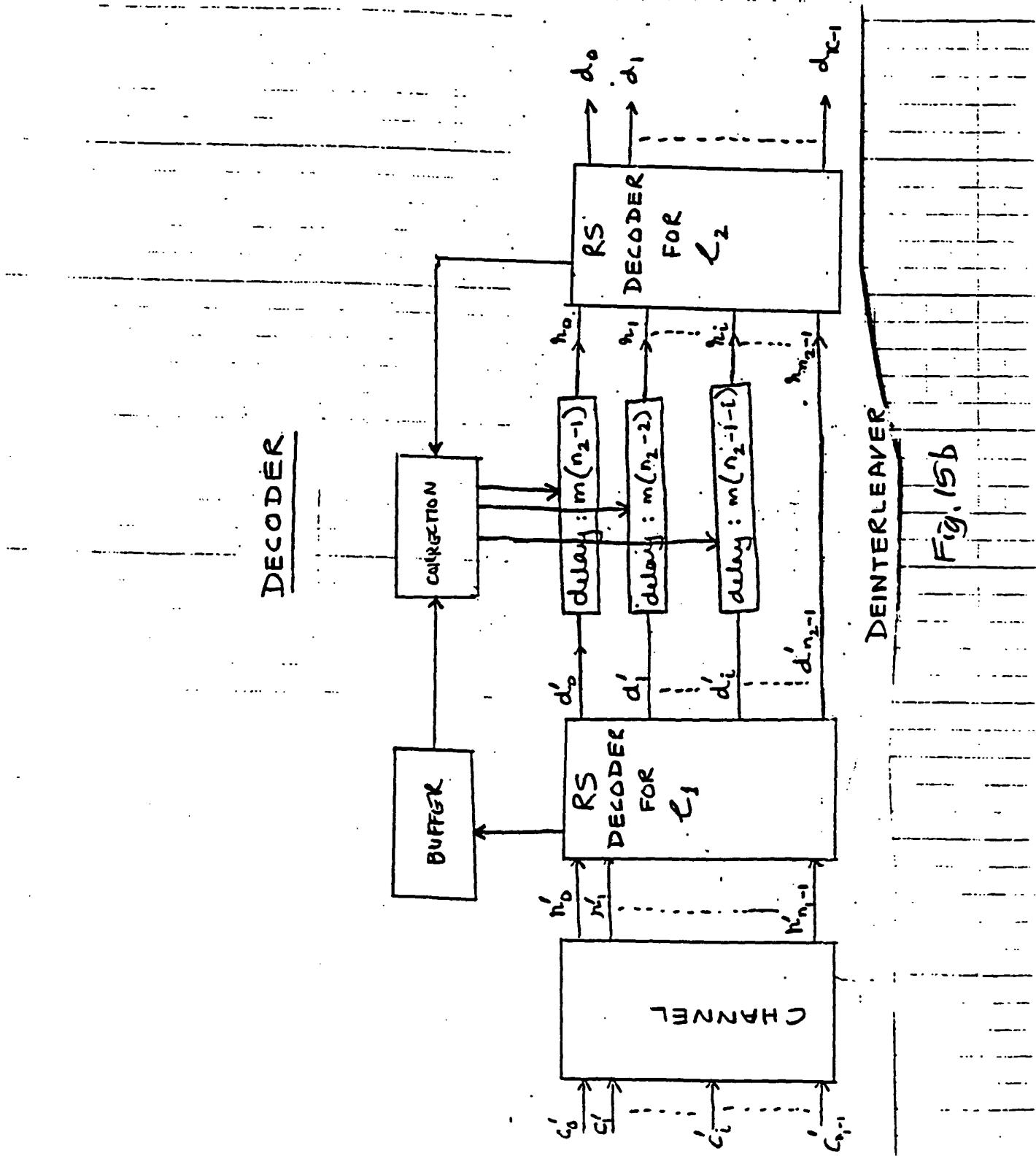


Fig. 156

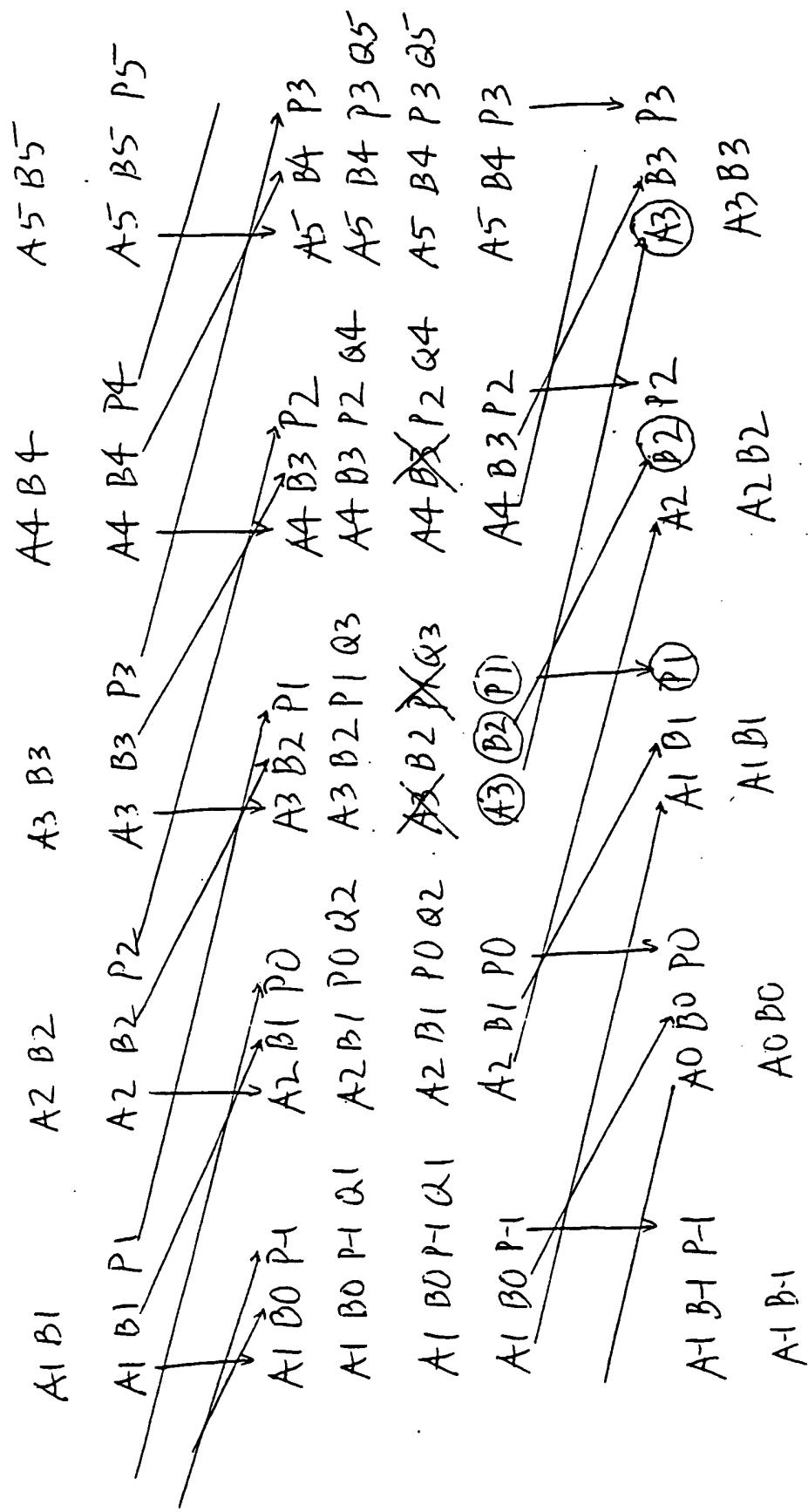


Fig. 16a

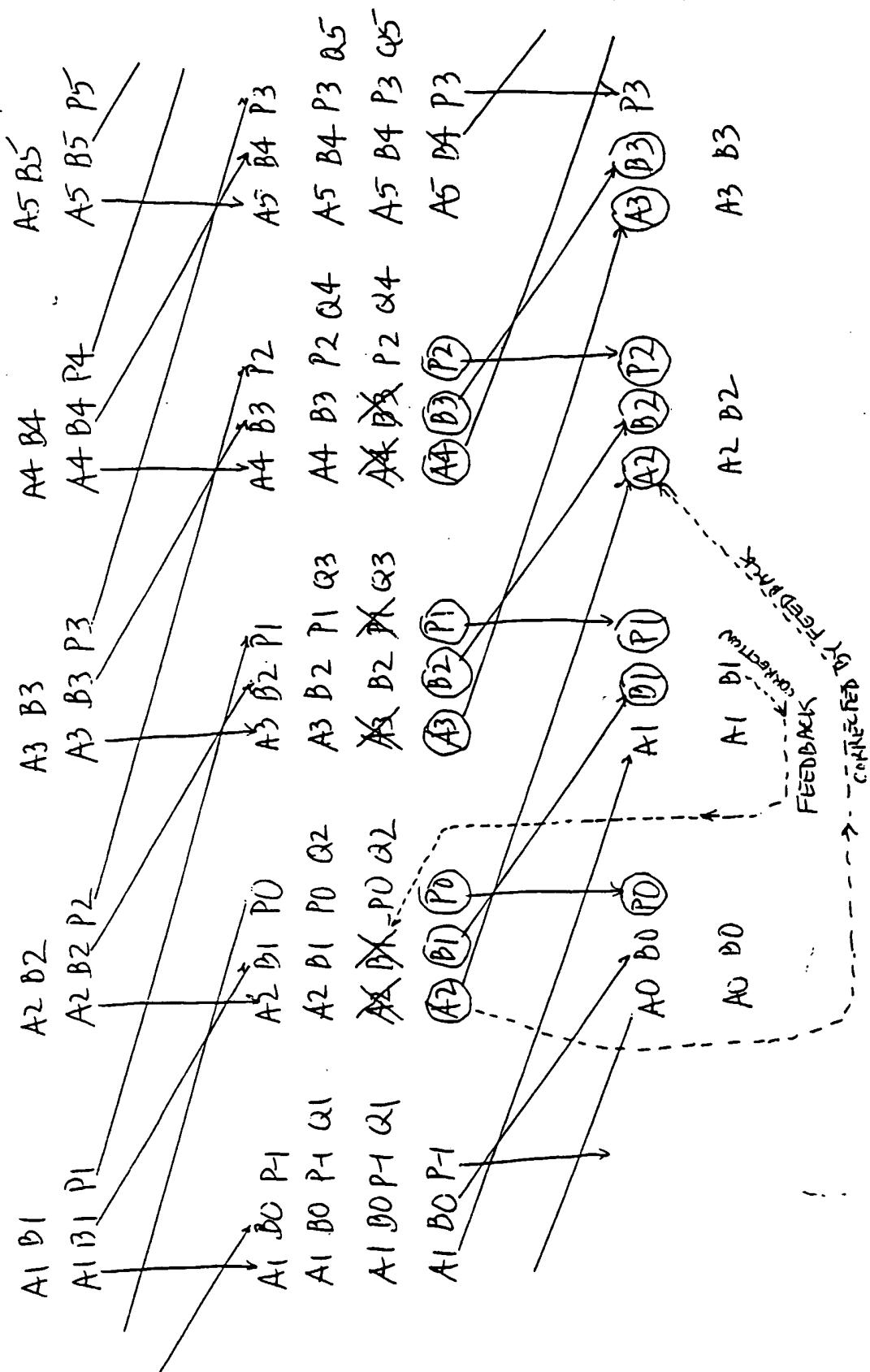


Fig. 16b